
CUMBERLAND COUNTY

(Cumberland County Water Service Area Map)

- Estimated 1999 population of 6,800--94% on public water
- Estimated 2020 population of 6,600--99% on public water
- 235 miles of water lines, with plans for 11 additional miles
- Estimated funding needs for public water 2000-2005--\$0
- Estimated funding needs for public water 2006-2020--\$568,000

Cumberland County had an estimated population of 6,798 (2,894 households) in 1999 with a projected population of 6,580 (2,845 households) in 2020. Public water is provided to about 94 percent of the county's residents. In areas of the county not served by public water, about 3/4 of the households rely on private domestic wells and 1/4 households rely on other sources. About 110 customers will be added to public water service through new line extensions in 2000-2020.

Estimated Costs - Proposed Projects, 2006-2020

| COUNTY/System | | New Customers | | Rehab | Source | Treatment | Tanks/ Pumps | Total |
|--------------------|-------|------------------|----------------|-----------|-----------|-----------|-----------------|-----------|
| | Miles | Number | Cost in \$1000 | in \$1000 | in \$1000 | in \$1000 | in \$1000 | in \$1000 |
| CUMBERLAND | | | | | | | | - |
| Cumberland Co. W/D | 10.9 | 109 | 568 | | | | | 568 |
| Total | 10.9 | 109 | 568 | | | | | 568 |

PUBLIC WATER SYSTEMS

Cumberland County is served by 1 municipal water system, Burkesville Water Works, 1 water district, Cumberland County Water District, and 1 non-community system.

BURKESVILLE WATER WORKS

PWSID: 0290049
System Type:..... COMMUNITY
Owner Type:..... MUNICIPAL
Surface Source:..... CUMBERLAND RIVER
Purchase Source:
Well Source:

WATER SERVICE AREAS

CUMBERLAND COUNTY

Kentucky

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| WATER SERVICE STATUS BY OWNER | | |
|-------------------------------|-----------------------|----------------------------------|
| EXISTING SERVICE AREA | PROPOSED SERVICE AREA | |
| | | CUMBERLAND COUNTY WATER DISTRICT |
| | | BURKESVILLE WATER WORKS |
| | | ADAIR COUNTY WATER DISTRICT |

Sells Water to:
Treatment Plant Capacity (MGD):..... 0.50
Percent Daily Average Production:..... 88.00
Total Tank Storage Capacity (gallons):..... 25,000.00
Total Service Connections: 1,039.00
Number of Employees:..... 4.00
Treatment Operator Class:2D
Distribution Operator Class:.....3A
Customer Rate for 1,000 Gallons:..... Not available
O/M costs 1997:..... Not available
O/M costs per Service Connection: Not available
Net Revenue 1997:..... Not available
Total Water Produced 1997 (gallons):..... Not available
Water Sold 1997 (gallons):..... Not available
Unaccounted-for Water 1997 (%): Not available

CUMBERLAND COUNTY WATER DISTRICT

PWSID:..... 0290271
System Type:..... COMMUNITY
Owner Type:..... WATER DISTRICT
Surface Source:..... CUMBERLAND RIVER
Purchase Source:
Well Source:
Sells Water to:
Treatment Plant Capacity (MGD):..... 0.00
Percent Daily Average Production:..... 42.00
Total Tank Storage Capacity (gallons):..... 0.00
Total Service Connections: 1,683.00
Number of Employees:..... 0.00
Treatment Operator Class:2D
Distribution Operator Class:.....3A
Customer Rate for 1,000 Gallons:..... 4.75
O/M costs 1997:..... 361,060.00
O/M costs per Service Connection: 197.95
Net Revenue 1997:..... 139,898.00
Total Water Produced 1997 (gallons):..... 76,210,000.00
Water Sold 1997 (gallons):..... 101,537,000.00
Unaccounted-for Water 1997 (%): 9.03

OTHER SYSTEMS

HENDRICKS CREEK RESORT

Hendricks Creek Resort is located in Cumberland County. The system serves a population of 99 and has 1 service connection. The private, transient, non-community system has treatment capacity of 10,000 gallons per day. The water source is Dale Hollow Lake.

PRIVATE DOMESTIC SYSTEMS

About 400 residents of Cumberland County rely on private domestic water supplies: 300 on wells and 100 on other sources.

In the bottoms along the Cumberland River many drilled wells will produce enough water for a domestic supply. In most of Cumberland County wells will not produce enough water for a domestic supply except in a few wells in lowland areas bordering streams which can yield enough for a domestic supply.

Small springs and wet weather seeps occur in many areas throughout the county. Flows generally do not exceed several gallons a minute and most go dry during extended dry periods in late summer and fall.
